

FIG. 14

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FH2

Cats FH1 FH2 + - 11/100 7/93 1/01 2/01

FIV_{Shi} (Subtype D)

p31 ...

p24

p55 _____

p65

gp100 •

65 Pooled C9V HIV+ Pre 36 wk \$ \$ \$ \$ \$ 500 500 FH3 3/01 6/01 \$ \$ Ş FH2 7/93 2/01 5 <5 25 FH1 11/00 3/01 5/01 Anti-HIV-1 / UCD1: Anti-HIV-1 / LAV: VN ANTIBODY ANALYSES Anti-FIV / FC1: Anti-FIV / Pet: Anti-FIV / UK8:

FIG. 1C

p10

p15

and FH1 Alignment of gag sequence of FC1 Figure 2A

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Figure 2B Alignment of gag amino acid seguences of FC1 and FH1

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FCI concensus	201:
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E 222222	

PCIconcensus	401: KPCHLAANCHORGKKTPCHGIOGPAARPVHOYOGHVPRAPPHEDRILLDL 450	450
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=	***************************************	:
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C1		
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120		
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2		

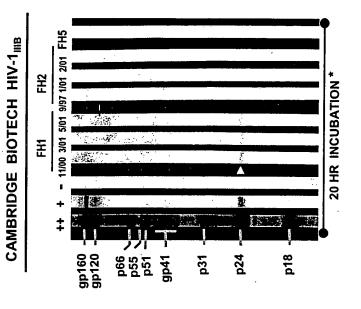
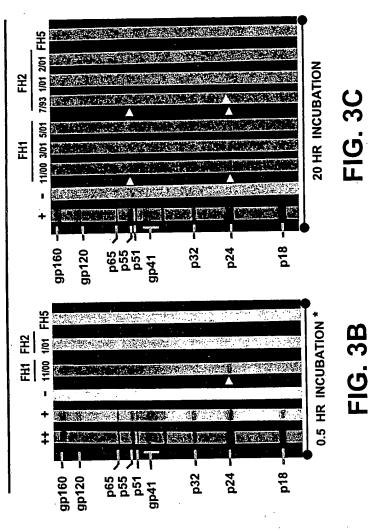


FIG. 3A



BIO-RAD NOVAPATH HIV-1_{UCD1}

Alignment of gag sequences of FC1, FH1 and FIV isolate Figure 4

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SEMBAL-1 BANGSTON ACHORI-1 ACHORI-2 SEMBAI-2 THC	
TOTOTANA SHI TUOIO TURUORA	
	10: NATIOCICANA GANCINITA CANTITA NA CANTITA
SENDAL-1 BANGSTON ACHORI-1 ACHORI-2 SENDAL-2 TRZ	
TOKOHANA SHI EUOKA FUKUOSA	
PETALINGA UKE PPR SENDAL-1	
ACHORIS ACHORIS SENDAIS THE TOKOGIAN SHIZUOUA PUNUOGA	**************************************
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FIG. 4--continued

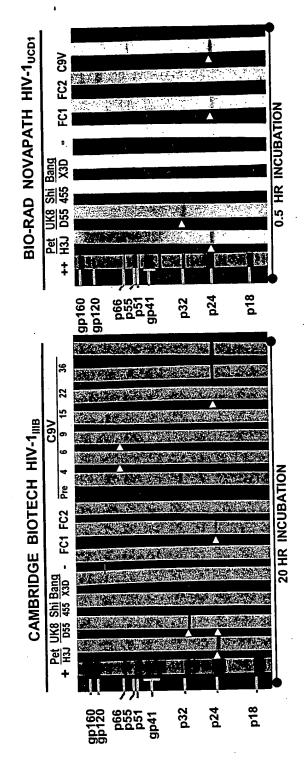
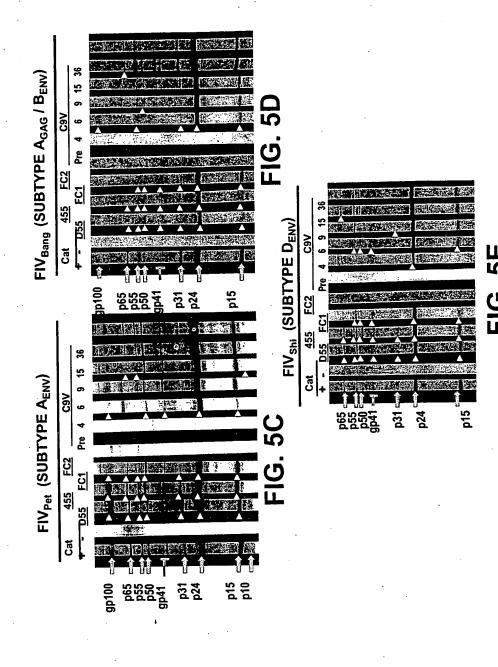


FIG. 5A

FIG. 5B



FIV - INFECTED CATS

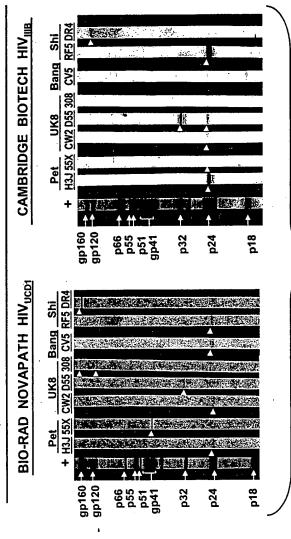


FIG. 6A

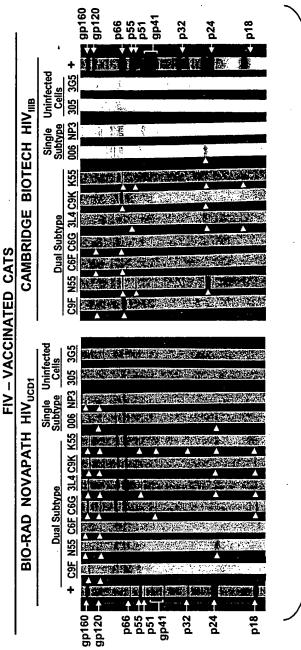


FIG. 6B

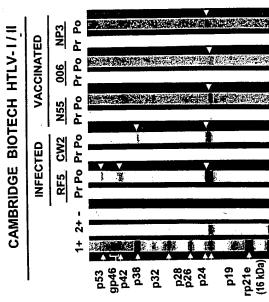


FIG. 6C

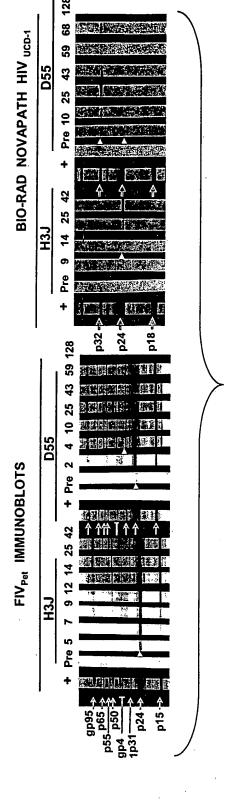


FIG. 7A

BIO-RAD NOVAPATH HIV UCD-1

CAMBRIDGE BIOTECH HIV-1_{IIIB}

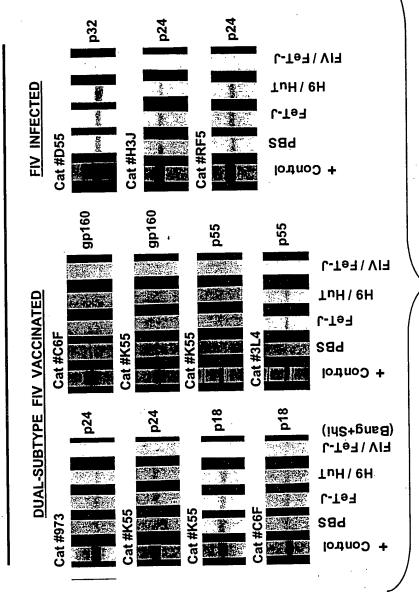
FIG. 7B

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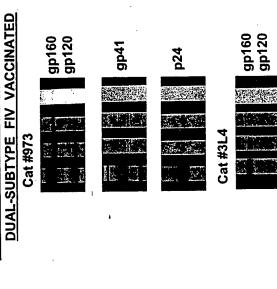
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FIV-INFECTED CELL ABSORPTION & FIV VIRUS COMPETITION







gp41

TuH/6H

+ Coutol

PBS

PBS
C-TeT

PBS

H9 / HuT

L-TeT

PBS

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FIG. 8C

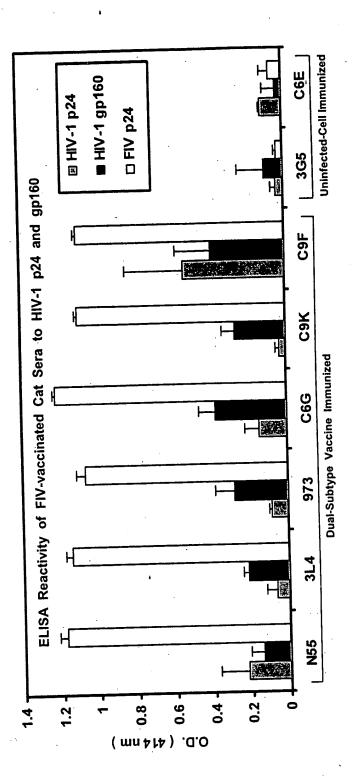


FIG. 9A

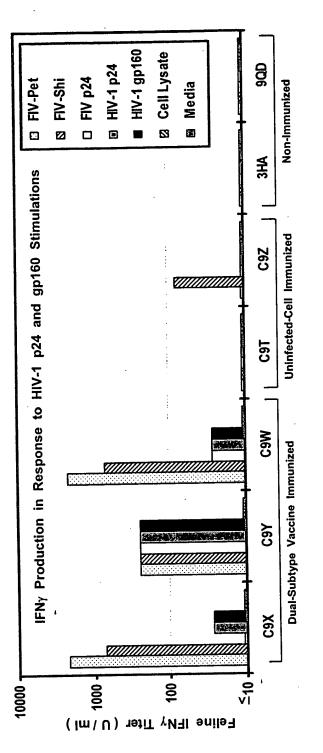


FIG. 9B

TOOBOYYE GEREOR

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, i		FC1 (
16	rseTTGACCCAAAAATGGT	RT Reverse
31	obeATTCAAACAGCAAATGGAGCACCACAATATG	RT Probe
19	ardAGC-CCTCCACAGGCATCTC	RT Forward
46.	AAGGA-CCTCCACAGGCTTATCCTATTCAAACAGTAAATGGAGCACCACAGTATGTAGCCCTTGATCCAAAATGGT	TMZ
20	GGA-CCTCCACAGGCTTATCCTATTCAAACAGTAAATGGAGCACCACAGTATGTAGCCCTTGATCCAAAAATGGT	Aomor.
20	A-GGAGCCTCCACAGGCATATCCTATCCAAACAATAAATGGAGCACCACAATATGTAGCCCTGGATCCTAAAATGGT	Shizuoka
46		UKB
46		JSY3 ga
46		Ã
46	AAGGC-CCTCCACAGGCATATCCTATTCAAACAGTAAATGGAGTACCACAATATGTAGCACTTGACCCAAAAATGGT	Pet gag
46	-6CCTCCACAGGC-T-TCCTAT-CAAACAAAATGGAG-ACCA-AA-GTAGC-CT-GA-CC-AAAATGGT	Consensus A-
0	B4=5	m
0	A9=4	A
38	CAGCAGCTGAACACATGTATGCTCAGATGGGATTAGATACCAGACCATCTATAAAAGAAAG	FC1
0	rse	RT Reverse
0	ope	RT Probe
0	ard	RT Forward
38	CACAGCAGCTGAAAATATGTATGCTCAGATGGGATTAGACACCAGACCATCTGTAAAAGAAAG	TM2
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38	TGCTGCAGCTGAAAATATGTACACTCAGATGGGATTAGACACTAGACCATCTATGAGAGAAGAGGAGGAAAAGAGG	JSY3 gag 0
38	TGCTGCAGCTGAAAACATGTATACTCAGATGGGATTAGACACCAGGCCATCTACAAGAGAAGAGGAGGAAAAAGAGG	щ
38	TGCTGCAGCTGAAAATATGTATTCTCAAATGGGATTAGACACTAGGCCATCTATGAAAGAGAAGAGGGGAAAAGAGG	Pet gag
38	C-GC-GCTGAA-A-ATGTACTCA-ATGGGATTAGA-AC-AG-CCATCTAGAGG-GGAAA-GG	Consensus

HODBOYYN OHNUON

80	84=5	B4=
91	A9=4	A9=
615	AG ATTTAACTTCAACTGATATGGCTACATTAATTATGTCTGCGCCTGGCTGTGCAGCAGATAAAGAGATCTTAGATGAA	FC1 GAG AT
21	9S	RT Reverse
31	90	RT Probe
19		RT Forward
615	ag ATTTAACATCAACTGATATGGCTACATTAATTATGTCCGCACCTGGGCTGTGCAGCAGATAAAGAAATCCTAGATGAA	TM2 gag AT
363	1 ATTTAACATCAACTGATATGGCTACATTAATTATGTCCGCACCTGGCTGTGCAGCAGTTAAAGAAATTCTAGAAA	Aomori 1 AT
363	a ATCTAACATCAACTGATATGGCTACATTAATCATGTCTGCACCAGGTTGTGCAGCAGATAAGGAGATCTTAGATGAA	Shizuoka ATC
615	ag ATTTAACACCTACTGACATGGCCACATTAATAATGGCCGCACCAGGGTGCGCTGCAGATAAAGAAATATTGGATGAA	UK8 gag AT
615	O ATTTAACACCTACTGACATGGCCACATTAATAATGGCCGCACCAGGGTGCGCTGCAGATAAAGAAATATTGGATGAA	JSY3 gag O.AT
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615	ag ATTTAACACCTACTGACATGGCCACATTAATAATGGCCGCACCAGGGTGCGCTGCAGATAAAGAAATATTGGATGAA	Pet gag AT
616	us AT-TAACC-ACTGA-ATGGC-ACATTAAT-ATG-C-GC-CC-GG-TG-GC-GCAG-TAA-GA-ATT-GA-GAA	Consensus AT
80	B4=5 GTCCAA	B4=
91	A9=4 G	A9=
538	AG GTCCATTTTTATGGAAAAAGCAAGAGGGGGTAAGGAGGTGAGGAGGTCCAACTGTGGTTCACAGCCTTTTCTGCTA	FC1 GAG GTC
21	se GTCCA	RT Reverse GT
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286	1 GTCCATTITIAIGGAGAAGGCAAGAGGGGGCTAGGAGGIGAGGAGGTCCAACTGTGGTTCACAGCCTTTTCAGCTA	Aomori 1 GTC
286	a GTCCATTTTTATGGAAAAAGCAAGAAGGATTAGGAGGAGGAGGAGGTCCAACTATGGTTTACTGCATTTTCAGCTA	Shizuoka GTC
538	ag GTCTATTTTCATGGAAAAGGCAAGAAGGGTTAGGAGGTGAAGAAGTTCAACTATGGTTCACAGCCTTCTCTGCAA	UK8 gag GTC
538	O GTCCATITITATGGAAAAGGCAAGAAGGATTAGGAGGTGAGGAAGTTCAGCTATGGTTTACTGCCTTCTCTGCAA	JSY3 gag O GTC
538	Bang GTCCATTTTATGGAAAAGGCAAGAAGGACTAGGAGGTGAGGAAGTTCAATTATGGTTTACTGCCTTCTCTGCAA	Вал
538	CCATITITATGGAAAAGGCAAGAGGACTAGGAGGTGAGGAAGTTCAACTATGGTTTACTGCCTTCTCTGCAA	Pet gag GT
539	1S GTC-A-TIT-AIGGA-AA-GCAAGAGA-GGTAGGAGG-GA-GA-GI-CAI-TGGII-AC-GC-II-IC-GC-A	Consensus GTC